





(6) 
$$E(x) \Rightarrow \int_{2}^{2} \chi \cdot dx = \int_{2}^{2} \frac{1}{6} \frac{1}{6} \frac{1}{6} \frac{1}{6}$$

$$(x^2) \Rightarrow \int_{0}^{2} x^2 \cdot dx - \int_{0}^{2} dx \Rightarrow \frac{2}{3} |0 + 3|^2$$

$$=$$
  $\frac{3}{3}$   $-2$   $=$   $2\frac{3}{3}$ 

(7) 
$$p' = np$$
,  $e' = 0 R D P(1-P)$ 

$$\Rightarrow P(z < n/z - np) = 1-x$$

(8) 
$$\chi = 0.02$$
;  $S \neq \frac{100}{2}\chi_1$ ;  $f(s) = 2$ .  
Var(s) = 2.

$$=) P(s>3) = P(z>1) = P(s>2.5) = P(z>1) = 0.36.$$

$$= P(S \ni 3) = P(S \ni 2 \cdot 3) \Rightarrow P(Z \ni 1) = 0.31$$